

SEQUENCE LISTING

<110> Li, Dean Y.

<120> Manipulation of Arterial-Venous Identity

<130> 10402-011

<160> 6

<170> PatentIn version 3.1

<210> 1

<211> 3142

<212> DNA

<213> Homo sapiens

<400> 1

cctggggccgg ccggggtgga tgagccggga gctccctgct gccggtcata ccacagcctt
60

catctgcgcc ctggggccag gactgctgct gtcactgcca tccattggag cccagcaccc
120

cctccccgcc catccttcgg acagcaactc cagcccagcc ccgcgtccct gtgtccactt
180

ctcctgaccc ctcgggccgcc accccagaag gctggagcag ggacgccgtc gctccggccg
240

cctgctcccc tcgggtcccc gtgcgagccc acgccggccc cggtgcccgc ccgcagccct
300

gccactggac acaggataag gcccagcgca caggccccca cgtggacagc atggaccgcg
360

gcacgtccc tctggctggt gccctgctgc tggccagctg cagcctcagc cccacaagtc
420

ttgcagaaac agtccattgt gaccttcagc ctgtgggccc cgagaggggc gaggtgacat
480

ataccactag ccaggtctcg aagggtgctg tggctcaggc ccccaatgcc atccttgaag
540

tccatgtcct cttcctggag ttcccaacgg gcccgtcaca gctggagctg actctccagg
600

catccaagca aaatggcacc tggccccgag aggtgcttct ggtcctcagt gtaaacagca
660

gtgtcttctt gcactctccag gccctgggaa tcccactgca cttggcctac aattccagcc
720

tggtcacctt ccaagagccc ccgggggtca acaccacaga gctgccatcc ttccccaaga
780

cccagatcct tgagtgggca gctgagaggg gccccatcac ctctgctgct gagctgaatg
840

acccccagag catcctcctc cgactgggcc aagcccaggg gtcactgtcc ttctgcatgc
900

tggaagccag ccaggacatg ggccgcacgc tcgagtggcg gccgcgtact ccagccttgg
960

tccgggggctg ccacttgga ggcgtggccg gccacaagga ggcgcacatc ctgagggtcc
1020

tgccggggcca ctcggccggg ccccgacgg tgacggtgaa ggtggaactg agctgcgcac
1080

ccgggggatct cgatgccgtc ctcatcctgc aggggtcccc ctacgtgtcc tggctcatcg
1140

acgccaacca caacatgcag atctggacca ctggagaata ctcttcaag atctttccag
1200

agaaaaacat tcgtggcttc aagctcccag acacacctca aggcctcctg ggggaggccc
1260

ggatgctcaa tgccagcatt gtggcatcct tcgtggagct accgctggcc agcattgtct
1320

cacttcatgc ctccagctgc ggtggtaggc tgcagacctc acccgaccg atccagacca
1380

ctctcccaa ggacacttgt agcccggagc tgctcatgtc cttgatccag acaaagtgtg
1440

ccgacgacgc catgaccctg gtactaaaga aagagcttgt tgcgcatttg aagtgcacca
1500

tcacgggcct gaccttctgg gaccccagct gtgaggcaga ggacaggggt gacaagtttg
1560

tcttgccgag tgcttactcc agctgtggca tgcaggtgtc agcaagtatg atcagcaatg
1620

aggcgggtgt caatatcctg tcgagctcat caccacagcg gaaaaaggtg cactgcctca
1680

acatggacag cctctctttc cagctggggc tctacctcag cccacacttc ctccaggcct
1740

ccaacaccat cgagccgggg cagcagagct ttgtgcaggt cagagtgtcc ccatccgtct
1800

ccgagttcct gctccagtta gacagctgcc acctggactt ggggcctgag ggaggcaccc
1860

tggaaactcat ccagggcccg gcggccaagg gcaactgtgt gagcctgctg tccccaaagg
1920

ccgaggggtga cccgcgcttc agcttcctcc tccacttcta cacagtacc c atacccaaaa
1980

ccggcacccct cagctgcacg gtagccctgc gtccaagac cgggtctcaa gaccaggaag
2040

tccataggac tgtcttcatg cgcttgaaca tcatacagccc tgacctgtct ggttgacaaa
2100

gcaaaggcct cgtcctgccc gccgtgctgg gcatcacctt tgggtgccttc ctcatcgggg
2160

ccctgctcac tgctgcactc tggtagatct actcgcacac gcgtgagtac cccaggcccc
2220

cacagtgagc atgccggggc cctccatcca cccgggggag cccagtgaag cctctgaggg
2280

attgaggggc cctggcagga ccctgacctc cggccctgcc cccgctcccg ctcccagggt
2340

ccccagcaa gcgggagccc gtggtggcgg tggctgcccc ggctcctcg gagagcagca
2400

gcaccaacca cagcatcggg agcaccagga gcacccctg ctccaccagc agcatggcat
2460

agccccggcc ccccgcgctc gcccagcagg agagactgag cagccgccag ctgggagcac
2520

ccagcgctgg cggtgcaact gcggccgcgc ggtggagggg aggtggcccc ggtccgccga
240

aggctagcgc cccgccaccc gcagagcggg cccagaggga ccatgacctt gggctcccc
300

aggaaaggcc ttctgatgct gctgatggcc ttggtgaccc agggagaccc tgtgaagccg
360

tctcggggcc cgctgggtgac ctgcacgtgt gagagccac attgcaaggg gcctacctgc
420

cggggggcct ggtgcacagt agtgctggtg cgggaggagg ggaggcacc ccaggaacat
480

cggggetgeg ggaacttgea cagggaagete tgcagggggg gceccaccca gttegtcaac
540

cactactgct gcgacagcca cctctgcaac cacaacgtgt ccctgggtgct ggaggccacc
600

caacctcctt cggagcagcc gggaaacagat ggccagctgg ccctgatcct gggccccgtg
660

ctggccttgc tggccctggt ggccctgggt gtccctgggccc tgtggcatgt ccgacggagg
720

caggagaagc agcgtggcct gcacagcgag ctgggagagt ccagtctcat cctgaaagca
780

tctgagcagg gcgacacgat gttggggggac ctccctggaca gtgactgcac cacagggagt
840

ggctcagggc tccccttcct ggtgcagagg acagtggcac ggcagggttgc cttggtggag
900

tgtgtgggaa aaggccgcta tggcgaagtg tggcggggct tgtggcacgg tgagagtgtg
960

gccgtcaaga tcttctcctc gagggatgaa cagtccctggt tccgggagac tgagatctat
1020

aacacagtat tgctcagaca cgacaacatc ctaggcttca tcgcctcaga catgacctcc
1080

cgcaactcga gcacgcagct gtggctcatc acgcactacc acgagcacgg ctccctctac
1140

gactttctgc agagacagac gctggagccc catctggctc tgaggctagc tgtgtccgcg
1200

gcattgcggcc tggcgcacct gcacgtggag atcttcggta cacagggcaa accagccatt
1260

gcccaccgcg acttcaagag ccgcaatgtg ctgggtcaaga gcaacctgca gtgttgcatc
1320

gccgacctgg gcctggctgt gatgcactca cagggcagcg attacctgga catcggcaac
1380

aacccgagag tgggcaccaa gcggtacatg gcacccgagg tgctggacga gcagatccgc
1440

acggactget ttgagteeta caagtggact gacatctggg cctttggcct ggtgctgtgg
1500

gagattgccc gccggaccat cgtgaatggc atcgtggagg actatagacc acccttctat
1560

gatgtggtgc ccaatgaccc cagctttgag gacatgaaga aggtggtgtg tgtggatcag
1620

cagaccccca ccatccctaa ccggctggct gcagaccggt tcctctcagg cctagctcag
1680

atgatgcggg agtgctggta cccaaacccc tctgcccgcac tcaccgcgct gcggatcaag
1740

aagacactac aaaaaattag caacagtcca gagaagccta aagtgattca atagcccagg
1800

agcacctgat tcctttctgc ctgcaggggg ctgggggggt ggggggcagt ggatggtgcc
1860

ctatctgggt agaggtagtg tgagtgtggt gtgtgctggg gatgggcagc tgcgcctgcc
1920

tgctcggccc ccagcccacc cagccaaaaa tacagctggg ctgaaacctg
1970

<210> 3
<211> 2902
<212> DNA
<213> Homo sapiens

<400> 3

cacagccatg gctgtgagaa gggactccgt gtggaagtac tgctggggtg ttttgatggg
60

tttatgcaga actgcgattt ccaaatcgat agttttagag cctatctatt ggaattcctc
120

gaactccaaa tttctacctg gacaaggact ggtactatac ccacagatag gagacaaatt
180

ggatattatt tgccccaag tggactctaa aactgttggc cagtatgaat attataaagt
240

ttatatgggt gataaagacc aagcagacag atgcactatt aagaaggaaa ataccctct
300

cctcaactgt gccaaaccag accaagatat caaattcacc atcaagtttc aagaattcag
360

ccctaacctc tggggtctag aatttcagaa gaacaaagat tattacatta tatctacatc
420

aatgggtct ttggagggcc tggataacca ggagggagg gtgtgccaga caagagccat
480

gaagatcctc atgaaagttg gacaagatgc aagttctgct ggatcaacca ggaataaaga
540

tccaacaaga cgtccagaac tagaagctgg tacaatgga agaagttcga caacaagtcc
600

ctttgtaaaa ccaaaccag gttctagcac agacggcaac agcgccggac attcggggaa
660

caacatcctc ggttccgaag tggccttatt tgcagggatt gcttcaggat gcatcatctt
720

catcgatc atcatcacgc tgggtggtcct cttgctgaag taccggagga gacacaggaa
780

gcactcgccg cagcacacga ccacgtgtc gctcagcaca ctggccacac ccaagcgcag
840

cggcaacaac aacgggtcag agcccagtga cattatcatc ccgctaagga ctgcggacag
900

cgtcttctgc cctcactacg agaaggtcag cggggactac gggcaccgg tgtacatcgt

960

ccaggagatg cccccgcaga gcccggcgaa catttactac aaggtctgag agggaccctg
1020

gtggtacctg tgctttccca gaggacacct aatgtcccga tgcctccctt gagggtttga
1080

gagcccgct gctggagaat tgactgaagc acagcaccgg gggagaggga cactcctcct
1140

cggaagagcc cgtcgcgctg gacagcttac ctagtcttgt agcattcggc cttggtgaac
1200

acacacgctc cctggaagct ggaagactgt gcagaagacg cccattcggga ctgctgtgcc
1260

gcgtcccacg tctcctcctc gaagccatgt gctgcggtca ctcaggcctc tgcagaagcc
1320

aagggaagac agtggtttgt ggacgagagg gctgtgagca tcctggcagg tgccccagga
1380

tgccacgcct ggaagggccg gcttctgcct ggggtgcatt tccccgcag tgcataccgg
1440

actgttcaca cggacctcgg gctagttaag gtgtgcaaag atctctagag tttagtcctt
1500

actgtctcac tcgttctggt acccagggct ctgcagcacc tcacctgaga cctccactcc
1560

acatctgcat cactcatgga aactcatgt ctggagtccc ctctccagc cgctggcaac
1620

aacagcttca gtccatgggt aatccgttca tagaaattgt gtttgctaac aaggtgcctt
1680

ttagccagat gctaggctgt ctgcgaagaa ggctaggagt tcatagaagg gagtggggct
1740

ggggaaaggg ctggctgcaa ttgcagctca ctgctgctgc ctctgaaaca gaaagttgga
1800

aaggaaaaaa gaaaaaagca attaggtagc acagcacttt ggttttgctg agatcgaaga
1860

ggccagtagg agacacgaca gcacacacag tggattccag tgcattggga ggcactcgct

1920

gttatcaaat agcgatgtgc aggaagaaaa gcccctcttc attccgggga acaaagacgg
1980

gtattgttgg gaaaggaaca ggcttggagg gaagggagaa agtaggccgc tgatgatata
2040

ttcgggcagg actgttgtgg tactggcaat aagatacaca gctccgagct gtaggagagt
2100

cggctctgctt tggatgattt tttaagcaga ctcagctgct atacttatca cattttatta
2160

aacacagggg aagcatttag gagaatagca gagagccaaa tctgacctaa aagttgaaaa
2220

gccaaaggtc aaacaggctg taattccatc atcatcgttg ttattaaaga atccttatct
2280

ataaaaggta ggtcagatcc ccctcccccc aggttcctcc ttcccctccc gattgagcct
2340

tacgacactt tggtttatgc ggtgctgtcc gggtgccagg gctgcagggt cgggtactgat
2400

ggagcctgca gcgcccgggtg ctctgtgtca aggtgaagca catacggcag acctcttaga
2460

gtccttaaga cggaagtaaa ttatgatgtc cagggggaga aggaagatag gacgtattta
2520

taataggtat atagaacaca agggatataa aatgaaagat ttttactaat atatatttta
2580

aggttgcaca cagtacacac cagaagatgt gaaattcatt tgtggcaatt aagtgggtccc
2640

aatgctcagc gcttaaaaaa acaaattgga cagctacttc tgggaaaaac aacatcattc
2700

caaaaagaac aataatgaga gcaaattgcaa aaataaccaa gtcctccgaa ggcattctcac
2760

ggaaccgtag actaggaagt acgagcccca cagagcagga agccgatgtg actgcatcat
2820

atatttaaca atgacaagat gttccggcgt ttatttctgc gttggggtttt cccttgcctt

2880

atgggctgaa gtgttctcta ga
2902

<210> 4

<211> 3945

<212> DNA

<213> Homo sapiens

<400> 4

cgtccacccg cccagggaga gtcagacctg ggggggagag ggcccccaa actcagttcg
60

gatactaccc gagtgaggcg gcgccatgga gctccgggtg ctgctctgct gggcttcggt
120

ggccgcagct ttggaagaga ccttgctgaa cacaaaattg gaaactgctg atctgaagtg
180

ggtgacattc cctcaggtgg acgggcagtg ggaggaaactg agcggcctgg atgaggaaca
240

gcacagcgtg cgcacctacg aagtgtgtga cgtgcagcgt gccccgggccc agggccactg
300

gcttcgcaca ggttgggtcc cacggcgggg cgccgtccac gtgtacgcca cgctgcgctt
360

caccatgctc gagtgccctgt ccttgccctg ggctggggcg tcctgcaagg agaccttcac
420

cgtcttctac tatgagagcg atgcggacac ggccacggcc ctacagccag cctggatgga
480

gaacccttac atcaagggtg acacgggtgg cgcgagagcat ctaccccgga agcgccctgg
540

ggccgaggcc accgggaagg tgaatgtcaa gacgctgcgt ctgggaccgc tcagcaaggc
600

tggcttctac ctggccttcc aggaccaggg tgccctgcatg gccctgctat cctgcacct
660

cttctacaaa aagtgcgccc agctgactgt gaacctgact cgattcccgg agactgtgcc
720

tcgggagctg gttgtgcccc tggccggtag ctgcgtggtg gatgccgtcc cgcgccctgg
780

ccccagcccc agcctctact gccgtgagga tggccagtgg gccgaacagc cggtcacggg
840

ctgcagctgt gctccgggggt tcgaggcagc tgaggggaac accaagtgcc gagcctgtgc
900

ccagggcacc ttcaagcccc tgtcaggaga agggtcctgc cagccatgcc cagccaatag
960

ccactctaac accattggat cagccgtctg ccagtgccgc gtcgggtact tccgggcacg
1020

cacagacccc cgggggtgcac cctgcaccac cctccttcg gctccgcgga gcgtggtttc
1080

ccgcctgaac ggctcctccc tgcacctgga atggagtgcc cccctggagt ctgggtggccg
1140

agaggacctc acctacgccc tccgctgccg ggagtgccga cccggaggct cctgtgccc
1200

ctgcggggga gacctgactt ttgaccccgg ccccgggac ctgggtggagc cctgggtgggt
1260

ggttcgaggg ctacgtcctg acttcaccta tacctttgag gtcactgcat tgaacgggggt
1320

atcctcctta gccacggggc ccgtcccatt tgagcctgtc aatgtcacca ctgaccgaga
1380

ggtacctcct gcagtgtctg acatccgggt gacgcgggtcc tcaccagca gcttgagcct
1440

ggcctgggct gttccccggg caccagtggt ggctgtgctg gactacgagg tcaaatacca
1500

tgagaagggc gccgagggtc ccagcagcgt gcggttcctg aagacgtcag aaaaccgggc
1560

agagctgcgg gggctgaagc ggggagccag ctacctgggt caggtacggg cgcgctctga
1620

ggccggctac gggcccttcg gccaggaaca tcacagccag acccaactgg atgagagcga
1680

gggctggcgg gagcagctgg ccctgattgc gggcacggca gtcgtgggtg tggtcctggt
1740

cctggtggtc attgtggtcg cagttctctg cctcaggaag cagagcaatg ggagagaagc
1800

agaatattcg gacaaacacg gacagtatct catcggacat ggtactaagg tctacatcga
1860

ccccttcact tatgaagacc ctaatgaggc tgtgagggaa tttgcaaaag agatcgatgt
1920

ctcctacgtc aagattgaag aggtgattgg tgcaggtgag tttggcgagg tgtgccgggg
1980

gcggctcaag gccccagggg agaaggagag ctgtgtggca atcaagaccc tgaagggtgg
2040

ctacacggag cggcagcggc gtgagtttct gagcgaggcc tccatcatgg gccagttcga
2100

gcaccccaat atcatccgcc tggagggcgt ggtcaccaac agcatgcccg tcatgattct
2160

cacagagttc atggagaacg gcgccctgga ctcttctctg cggctaaacg acggacagtt
2220

cacagtcac cagctcgtgg gcatgctgcg gggcatcgcc tcgggcatgc ggtaccttgc
2280

cgagatgagc tacgtccacc gagacctggc tgctcgcaac atcctagtca acagcaacct
2340

cgtctgcaaa gtgtctgact ttggcctttc ccgattcctg gaggagaact ctccgatcc
2400

cacctacacg agctccctgg gaggaaagat tcccatccga tggactgcc cggaggccat
2460

tgcttccgg aagttcactt ccgccagtga tgctggagt tacgggattg tgatgtggga
2520

ggtgatgtca tttggggaga ggccgtactg ggacatgagc aatcaggacg tgatcaatgc
2580

cattgaacag gactaccggc tgcccccgcc ccagactgt cccacctccc tccaccagct
2640

catgctggac tgttggcaga aagaccggaa tgcccggccc cgcttcccc aggtggtcag
2700

cgccctggac aagatgatcc ggaaccccgc cagcctcaaa atcgtggccc gggagaatgg
2760

cggggcctca caccctctcc tggaccagcg gcagcctcac tactcagctt ttggctctgt
2820

gggcgagtgg cttcggggcca tcaaaatggg aagatacgaa gaaagtttcg cagccgctgg
2880

ctttggctcc ttcgagctgg tcagccagat ctctgctgag gacctgctcc gaatcggagt
2940

cactctggcg ggacaccaga agaaaatctt ggccagtgtc cagcacatga agtcccaggc
3000

caagccggga accccgggtg ggacaggagg accggccccg cagtactgac ctgcaggaac
3060

tccccacccc agggacaccg cctccccatt ttccggggca gagtggggac tcacagaggc
3120

ccccagccct gtgccccgct ggattgcact ttgagcccgt ggggtgagga gttggcaatt
3180

tggagagaca ggatttgggg gttctgccat aataggaggg gaaaatcacc ccccagccac
3240

ctcggggaac tccagaccaa gggtgagggc gcctttccct caggactggg tgtgaccaga
3300

ggaaaaggaa gtgccaaca tctcccagcc tcccaggtg ccccccctac cttgatgggt
3360

gcgttcccgc agaccaaaga gagtgtgact cccttgccag ctccagagtg ggggggctgt
3420

cccagggggc aagaaggggt gtcagggccc agtgacaaaa tcattggggg ttgtagtccc
3480

aacttgctgc tgtcaccacc aaactcaatc atttttttcc cttgtaaatg cccctcccc
3540

agctgctgcc ttcattattga aggtttttga gttttgtttt tgggtcttaat ttttctcccc
3600

gttccctttt tgtttcttcg ttttgttttt ctaccgtcct tgtcataact ttgtgttgga
3660

gggaacctgt ttcactatgg cctcctttgc ccaagttgaa acaggggccc atcatcatgt
3720

ctgtttccag aacagtgcct tggatcatccc acatccccgg acccgcctg ggacccccaa
3780

gctgtgtcct atgaaggggt gtgggggtgag gtagtgaaaa gggcggtagt tgggtggtgga
3840

accagaaac ggacgccggt gcttggagggt gttcttaaata tatatttaaa aaagtaactt
3900

tttgataaaa taaaagaaaa tgggacgtgt ccagctcca ggggt
3945

<210> 5
<211> 2274
<212> DNA
<213> Homo sapiens

<400> 5
atggcgggtc tgacggcggc ggccccgcgg ccgaggtcc tcctgtcct gctgtccatc
60

ctccaccct ctcggcctgg aggggtccct ggggccattc ctggtggagt tcctggagga
120

gtcttttatc caggggctgg tctcggagcc cttggaggag gacgctggg gcctggaggc
180

aaacctctta agccagttcc cggagggctt gcgggtgctg gccttggggc agggctcggc
240

gccttccccg cagttacctt tccgggggct ctggtgcctg gtggagtggc tgacgtgct
300

gcagcctata aagctgctaa ggctggcgct gggcttggtg gtgtcccagg agttggtggc
360

ttaggagtgt ctgcaggtgc ggtgggtcct cagcctggag ccggagtga gcttgggaaa
420

gtgccgggtg tggggctgcc aggtgtatac ccaggtggcg tgctcccagg agctcgggtc
480

cccggtgtgg ggggtgctccc tggagttccc actggagcag gagttaagcc caaggctcca
540

gggtgtaggtg gagcttttgc tggaatccca ggagttggac cctttggggg accgcaacct
600

ggagtcccac tggggtatcc catcaaggcc cccaagctgc ctggtggcta tggactgccc
660

tacaccacag ggaaactgcc ctatggctat gggcccggag gagtggctgg tgcagcgggc
720

aaggctgggtt acccaacagg gacagggggtt ggccccagg cagcagcagc agcggcagct
780

aaagcagcag caaagttcgg tgctggagca gccggagtcc tccctgggtgt tggaggggct
840

gggtgttctg gcgtgcctgg ggcaattcct ggaattggag gcacgcagc cgttgggact
900

ccagctgcag ctgcagctgc agcagcagcc gctaaggcag ccaagtatgg agctgctgca
960

ggcttagtgc ctggtgggccc aggctttggc ccgggagtag ttggtgtccc aggagctggc
1020

gttccaggtg ttggtgtccc aggagctggg attccagttg tcccaggtgc tgggatccca
1080

gggtgctgcg ttccaggggt tgtgtcacca gaagcagctg ctaaggcagc tgcaaaggca
1140

gccaaatacg gggccaggcc cggagtcgga gttggaggca ttctactta cgggggttga
1200

gctgggggct ttcccggctt tgggtgtcga gtcggaggta tccctggagt cgcaggtgtc
1260

cctagtgtcg gaggtgttcc cggagtcgga ggtgtcccgg gagttggcat ttccccgaa
1320

gctcaggcag cagctgccgc caaggctgcc aagtacggag tggggacccc agcagctgca
1380

gctgctaaag cagccgccaa agccgccag tttgggttag ttctgggtgt cggcgtggct
1440

092171-080301

cctggagttg gcgtggctcc tgggtgctggt gtggctcctg gagttggctt ggctcctgga
1500

gttggcgtgg ctccctggagt tgggtgaggct cctggcgctg gcgtggctcc cggcattggc
1560

cctgggtggag ttgcagctgc agcaaaatcc gctgccaaagg tggctgccaa agcccagctc
1620

cgagctgcag ctgggcttgg tgctggcatc cctggacttg gagttggtgt cggcgctcct
1680

ggacttggag ttggtgctgg tgttcctgga cttggagttg gtgctggtgt tcctggcttc
1740

ggggcaggtg cagatgaggg agttaggcgg agcctgtccc ctgagctcag ggaaggagat
1800

ccctcctcct ctccagcacct ccccagcacc ccctcatcac ccagggtacc tggagccctg
1860

gctgccgcta aagcagccaa atatggagca gcagtgcctg gggtccttgg agggctcggg
1920

gctctcggtg gagtaggcatt cccaggcggt gtggtgggag ccggaccgcg cgcgcgcgct
1980

gccgcagcca aagctgctgc caaagccgcc cagtttgccc tagtgggagc cgctgggctc
2040

ggaggactcg gagtcggagg gcttggagtt ccagggtgtg ggggccttgg aggtatacct
2100

ccagctgcag ccgctaaagc agctaaatac ggtgctgctg gccttggagg tgcctaggg
2160

ggtgccgggc agttcccact tggaggagtg gcagcaagac ctggcttcgg attgtctccc
2220

attttcccag gtggggcctg cctggggaaa gcttgtggcc ggaagagaaa atga
2274

<210> 6

<211> 2615

<212> DNA

<213> Homo sapiens

099271-08001

<400> 6

ccttttttgg cctcgacggc ggcaaccag cctccctcct aacgccctcc gcctttggga
60

ccaaccaggg gagctcaagt tagtagcagc caaggagagg cgctgccttg ccaagactaa
120

aaagggaggg gagaagagag gaaaaaagca agaatcccc accctctcc cgggcggagg
180

gggcgggaag agcgcgtcct ggccaagccg agtagtgtct tccactcggg gcgtctctct
240

aggagccgcg cgggaaggat gctgggtccg aggggcgcgc gcgcagggcc caggatgccg
300

cggggctgga ccgcgctttg cttgctgagt ttgctgcctt ctgggttcat gagtcttgac
360

aacaacggta ctgctacccc agagttacct acccaggga cttttcaaa tgtttctaca
420

aatgtatcct accaagaaac tacaacacct agtacccttg gaagtaccag cctgcaccct
480

gtgtctcaac atggcaatga ggccacaaca aacatcacag aaacgacagt caaatcaca
540

tctacctctg tgataacctc agtttatgga aacacaaact cttctgtcca gtcacagacc
600

tctgtaatca gcacagtgtt caccacccca gccaacgttt caactccaga gacaaccttg
660

aagcctagcc tgtcacctgg aaatgtttca gacctttcaa ccactagcac tagccttgca
720

acatctccca ctaaacccta tacatcatct tctcctatcc taagtgacat caaggcagaa
780

atcaaatggt caggcatcag agaagtgaaa ttgactcagg gcatctgcct ggagcaaaat
840

aagacctcca gctgtgcgga gtttaagaag gacaggggag agggcctggc ccgagtgtg
900

tgtggggagg agcaggctga tgctgatgct ggggccaggg tatgctccct gtccttgcc

960

cagtctgagg tgaggcctca gtgtctactg ctggtcttgg ccaacagaac agaaatttcc
1020

agcaaactcc aacttatgaa aaagcaccaa tctgacctga aaaagctggg gatcctagat
1080

ttcactgagc aagatgttgc aagccaccag agctattccc aaaagaccct gattgcactg
1140

gtcacctcgg gagccctgct ggctgtcttg ggcactactg gctatttcct gatgaatcgc
1200

cgcagctgga gccccacagg agaaaggctg ggcgaagacc cttattacac ggaaaacggt
1260

ggaaggccagg gctatagctc aggacctggg acctcccctg aggctcaggg aaaggccagt
1320

gtgaaccgag gggctcagga aaacgggacc ggccaggcca cctccagaaa cggccattca
1380

gcaagacaac acgtggtggc tgataccgaa ttgtgactcg gctaggtggg gcaaggctgg
1440

gcagtgtccg agagagcacc cctctctgca tctgaccacg tgctaccccc atgctggagg
1500

tgacatctct tacgccaac ccttccccac tgcacacacc tcagaggctg ttcttggggc
1560

cctacacctt gaggaggggc aggtaaactc ctgtccttta cacattcggc tccctggagc
1620

cagactctgg tcttcttttg gtaaactgt gacgggggaa agccaaggtc tggagaagct
1680

cccaggaaca actgatggcc ttgcagcact cacacaggac ccccttcccc taccctctcc
1740

tctctgccgc aatacaggaa cccccagggg aaagatgagc ttttctaggc tacaattttc
1800

tcccaggaag ctttgatttt taccgtttct tccctgtatt ttctttctct actttgagga
1860

aaccaaagta accttttgca cctgctctct tgtaatgata tagccagaaa aacgtgttgc

09921771.080301

1920

cttgaaccac ttccctcatc tctcctccaa gacactgtgg acttggtcac cagtcctcc
1980

cttgttctct aagttccact gagctccatg tgccccctct accatttgca gagtccctgca
2040

cagttttctg gctggagcct agaacaggcc tcccaagttt taggacaaac agctcagttc
2100

tagtctctct ggggccacac agaaactctt tttgggctct tttttctccc tctggatcaa
2160

agtaggcagg accatgggac caggtcttgg agctgagcct ctcacctgta ctcttccgaa
2220

aaatcctctt cctctgaggc tggatcctag ccttatactc tgatctccat ggcttcctcc
2280

tccctcctgc cgactcctgg gttgagctgt tgcctcagtc cccaacaga tgcttttctg
2340

tctctgcctc cctcaccctg agccccttcc ttgctctgca ccccatatg gtcatagccc
2400

agatcagctc ctaaccctta tcaccagctg cctcttctgt gggtgacca ggtccttggt
2460

tgctgttgat ttctttccag aggggttgaa cagggatcct ggtttcaatg acggttgga
2520

atagaaattt ccagagaaga gagtattggg tagatatttt ttctgaatac aaagtgatgt
2580

gtttaaatat tgcaattaa gtgatactga aacac
2615

05992771.080301